

... system **model** for structural dynamic analysis of internal **combustion engines** [gazi.edu.tr \[PDF\]](#)

ZP Mourelatos - Computers and Structures, 2001 - Elsevier
... Also, efforts to **reduce engine** vibration and radiated **noise** while improving ... facilitated by the use of the finite-element method on high speed computers and the availability of elaborate finite-element preprocessors which can construct complex finite-element mesh **models**. ...
[Cited by 37](#) - [Related articles](#) - [EI Direct](#) - [All 6 versions](#)

[\[book\] Introduction to modeling and control of internal combustion engine ... ethz.ch \[PDF\]](#)

L Guzzella, CH Onder - 2004 - books.google.com
... 277 B 2.2 Dynamic Behavior 281 B 2.3 Numerical Values of the Model Parameters 283 B ... work required in the gas exchange part of the Otto cycle, **reduce** mechanical friction ... fuel consumption under the constraint of meeting the given exhaust gas and noise emission regulations. ...
[Cited by 111](#) - [Related articles](#) - [All 4 versions](#)

[CITATION] ... highly premixed **combustion engine** using a 1d Diesel engine model
A Albrecht, J Chauvin, S Potteau, G Corde - Proc. of the IAV Conference" Engine ..., 2005
[Cited by 12](#) - [Related articles](#)

[CITATION] **Modeling** and controller design of an electromagnetic engine valve
A Stubbs - 2000 - University of Illinois
[Cited by 24](#) - [Related articles](#)

Process fault detection based on **modeling** and estimation methods--A survey [ufsc.br \[PDF\]](#)

R Isermann - Automatica, 1984 - Elsevier
... continuous-time **models**, based on sampled signals, obtained by a process or microcomputer. 4.1. Least-squares parameter estimation. ... To **reduce** somewhat the influence of the **noise** interpolation formulas there is another way. ...
[Cited by 1061](#) - [Related articles](#) - [All 5 versions](#)

Models and control methodologies for IC engine idle speed control design [th.se \[PDF\]](#)

D Hrovat, J Sun - *Control Engineering Practice*, 1997 - Elsevier
 ... improved fuel economy, reduced emissions, guaranteed **combustion stability**, and good **noise**, vibration and ... More sophisticated **models**, which incorporate the dynamics associated with engine cycle events and ... in the control system designs that are targeted at **reducing the idle ...**
[Cited by 84](#) - [Related articles](#) - [BL Direct](#) - [All 4 versions](#)

[pdf] **Active control of combustion instabilities in gas turbine engines for low ...**

CA Jacobson, Al Khibnik, A Banaszuk, J Cohen, W ... - *Proc. AVT Symposium on ...* - rta.nato.int
 ... control, and most importantly, to ultimately pre- dict the control authority needed to **reduce the** amplitude ... amplitude of oscillations on 6. The result of applying the outlined procedure to **model** (1) and ... Note that in [12] effect of ad- dition of **noise to a combustion model** was studied ...

[Cited by 15](#) - [Related articles](#) - [View as HTML](#) - [All 3 versions](#)

... **network modelling** of the emissions and performance of a heavy-duty diesel engine

... , CM Atkinson, NN Clark, TW Long, ... - ... of the Institution ... 2000 - journals.pupublishing.com

... The OP net is used to predict opacity. Finally, the TQ net contains the torque sensor. Each VS has three components: a preprocessor for the NN input, an NN model and a post-processor for the NN output. ... The purpose of the filter is to **reduce input noise**. ...

[Cited by 28](#) - [Related articles](#) - [BL Direct](#) - [All 5 versions](#)

Chemical Kinetic Modeling Study of the Effects of Oxygenated Hydrocarbons on ...

CK Westbrook, WJ Pitz, HJ Curran - *J. Phys. Chem. A*, 2006 - pubs.acs.org

... ester group in their methyl decanoate, consistent with the present kinetic **modeling analysis** ... and TPGME in a diesel engine and in a constant volume **combustion bomb** ... both experimental configurations, that TPGME was significantly more effective than DBM in **reducing soot levels** ...

[Cited by 35](#) - [Related articles](#) - [All 5 versions](#)

Blind source separation of internal combustion engine piston slap from other ...

X Liu, RB Randall - *Mechanical Systems and Signal Processing*, 2005 - Elsevier

... such as piston slap effects, can **reduce noise** and wear of piston and cylinder, and hence enable better design and operation of internal **combustion engines**. There have been many research papers published aiming to study the mechanism [1], [2] and [3] and **model** [4] and [5] ...

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modeling reducing noise combustion  Search

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[HRL] Muffler modeling by transfer matrix method and experimental verification

SNY Gomes, R Jordan, FA Thieme, JL ... - Journal of the Brazilian ... 2005 - SciELO Brasil

... device used for noise control applications can be given in terms of the **attenuation**, insertion loss,

transmission loss, and the noise reduction. ... Davies, POAL, 1993, Realistic Models for Predicting

Sound Propagation in Flow Duct Systems, Noise Control Engineering ...

Cited by 15 - Related articles - Cached - All 2 versions

Exhaust muffler including venturi tube

SS Tsai - US Patent 4,361,206, 1982 - Google Patents

... 30 and the diverging section 34; the tests were performed on a conventional Detroit Diesel engine

model 8V-92T... 5, but ~ there is still a significant reduction in overall noise level ... construction

according to the in-65 vention may well have utility in other noise muffling applications ...

Cited by 13 - Related articles - All 2 versions

Method for actively attenuating engine generated noise

DP Pfall NS Kapsokavahis, NA Parks - US Patent 5,146,505, 1992 - Google Patents

... type quencies of components contained within the generated adaptive filter to model the acoustic ...

The amplification may be employed to effectuate the attenuation of ... the conventional 5 internal

combustion engine, generally designated as 10, input noise measuring sensor ...

Cited by 22 - Related articles - All 2 versions

CITATION] Investigation of interior noise in a twin-engine light aircraft

JS Mixson, CK Barton, R Valcicis - Journal of Aircraft, 1978

Check for Related Articles

Experimental study of a hydrogen-fueled engine

R. Sierens, S. Verhelst - Journal of Engineering for Gas Turbines and ... 2001 - link.aip.org

... of hydrogen), oxygen sensors (very lean operating conditions), and noise reduction (configuration

and ... The exhaust gas components are measured with the following methods of measurement ...

infrared): (Servomex model OA 1100, paramagnetic): HC (Signal model 3000, flame ...

Cited by 10 - Related articles - BL Direct - All 3 versions

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